FEDERAL ITEM IDENTIFICATION GUIDE

PLUGS, SEALING

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Commander

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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INDEX OF APPROVED ITEM NAMES

Approved Item Name	INC
PLUG ASSEMBLY, SEALING	62028

An item consisting of a cylindrical plug which may be grooved and a driving element such as a tapered drive pin, a ball or the like which widens the plug. The plug is designed to close a hole in an item and thus prevent liquid from leaking out.

PLUG, PROTECTIVE, DUST AND MOISTURE SEAL	13434

An item specifically designed to fit into the opening(s) of various items to provide mechanical protection and/or prevent the entrance of foreign matter during painting, shipping, storage, or the like. It is not designed to retain fluids under pressure during equipment operation. Excludes PLUG (as modified) and STOPPER, BOTTLE. For items designed to fit into or over the opening(s) of various items, see CAP-PLUG, PROTECTIVE, DUST AND MOISTURE SEAL.

SECTION 1

MRC	Mode Code	Requirements

NAME   D   ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED62028*)

MATT   D   MATERIAL

Definition: THE CHEMICAL COMPOUND OR MECHANICAL MIXTURE PROPERTIES OF WHICH THE ITEM IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATTDALA000*; MATTDALA000$$DSTA000*; MATTDALA000$DSTA000*)

MDCL *   J   MATERIAL DOCUMENT AND CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS CLASS, CONDITION, TEMPER, AND THE LIKE, THAT IDENTIFIES THE MATERIAL.

Reply Instructions: Enter the applicable Reply Code from Tables 1 and 2 below, followed by the document designator and classification.

(e.g., MDCLJBAQQ-A-634,COND CD$JBDQQ-S-634*;

MDCLJBBQQ-A-200/2$$JBCQQ-S-634,COND CD$JBDQQ-S-634,COND N*)

Table 1

REPLY CODE	REPLY (AP33)
G	ASSN STD
B	FED SPEC
C	FED STD
F	MFR REF
D	MIL SPEC
E	MIL STD
H	NATIONAL SPEC

Table 2

REPLY CODE	REPLY (AP18)
G	ALL MATERIAL RESPONSES (use only when all

MRC	Mode Code	Requirements

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		material is controlled by the same document and classification are identical)
	A	SINGLE MATERIAL RESPONSE
	B	1ST MATERIAL RESPONSE
	C	2ND MATERIAL RESPONSE
	D	3RD MATERIAL RESPONSE
	E	4TH MATERIAL RESPONSE
	F	5TH MATERIAL RESPONSE

SFTT *   D   SURFACE TREATMENT

Definition: THE METALLIC, NONMETALLIC, AND/OR CHEMICAL PROPERTIES WITH WHICH THE ITEM IS PLATED, DIPPED, AND/OR COATED. THE TREATMENT IS DESIGNED TO PROTECT THE SURFACE(S) AND CANNOT BE WIPED OFF.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., SFTTDALB000*; SFTTDALB000$DXXB000*; SFTTDANA000$$DXXB000*)

STDC *   J   SURFACE TREATMENT DOCUMENT AND CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS TYPE, CLASS, GRADE, AND THE LIKE, THAT IDENTIFIES THE SURFACE TREATMENT MATERIAL.

Reply Instructions: Enter the applicable Reply Code from Tables 1 and 2 below, followed by the document designator and classification.

(e.g., STDCJDAMIL-A-8625, TYPE 1, CLASS 1*;

STDCJDBMIL-A-8625, TYPE 1, CLASS 1$$JBCQQ-P-416, TYPE 1, CLASS 1*;

STDCJBMIL-A-8625, TYPE 1, CLASS 1$JBCQQ-P-416, TYPE 2, CLASS 1*)

Table 1

REPLY CODE	REPLY (AP33)
G	ASSN STD
B	FED SPEC
C	FED STD
F	MFR REF
D	MIL SPEC
H	NATIONAL SPEC

Table 2

REPLY	REPLY (AP39)

MRC	Mode Code	Requirements

CODE
G	ALL TREATMENT RESPONSES (use only when all treatment is controlled by the same document and classifications are identical)
A	SINGLE TREATMENT RESPONSE
B	1ST TREATMENT RESPONSE
C	2ND TREATMENT RESPONSE
D	3RD TREATMENT RESPONSE

APGF   D   DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDADP*)

REPLY CODE	REPLY (AK54)
DAQ	FRICTION
ADP	THREADED

ATYD * J   OPENING INSIDE DIAMETER FOR WHICH DESIGNED

NOTE: If Reply Code DAQ is entered for MRC APGF, reply to MRC ATYD.

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE OPENING FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ATYDJAA1.812*; ATYDJLA38.1*; ATYDJAB1.500$$JAC1.750*)

Table 1
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

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MRC	Mode Code	Requirements

BZMP *   J   CONNECTOR NOMINAL THREAD SIZE FOR WHICH
                      DESIGNED

NOTE: If Reply Code ADP is entered for MRC APGF, reply to MRC BZMP.

Definition: THE INDUSTRIAL DESIGNATION OR TERM USED TO DEFINE
THE NOMINAL THREAD SIZE OF THE CONNECTOR FOR WHICH
DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed
by the numeric value. (e.g., BZMPJA0.562*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ACSV *   J   TUBE OUTSIDE DIAMETER FOR WHICH DESIGNED

NOTE: If Reply Code DAQ is entered for MRC APGF, reply to MRC ACSV.

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH
THE CENTER OF THE TUBE FOR WHICH DESIGNED, AND TERMINATES
AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., ACSVJAA0.250*; ACSVJLA6.4*;
ACSVJAB0.240$$JAC0.260*)

Table 1
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2
REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

THDS *   J   THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND
NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

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MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below followed by the size. (e.g., THDSJNT10-32*)

REPLY CODE	REPLY (AH06)
AN	ANPT
SM	ISO M
SS	ISO S
DN	NATIONAL GAS ASSOCATION
SH	NPSH
NP	NPT
NT	NPTF
UN	UN
NC	UNC

AAJD *   A   THREAD CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH DIAMETER TOLERANCE AND AN EXTERNAL OR INTERNAL THREAD.

Reply Instructions: Enter the thread class. (e.g., AAJDA2A*)

When the source document specifies a maximum and minimum pitch diameter identical to or within the limits of a standard class of thread, reply with the standard class of thread. All classes of fit should be reflected by the similar class of thread. (i.e., Class 1 fit as 1A thread class).

AAJE *   J   THREAD PITCH DIAMETERS

Definition: THE MINIMUM AND MAXIMUM PITCH DIAMETER LIMITS OF A STRAIGHT SCREW THREAD.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values. Precede each value with the letter P. (e.g. AAJEJAP0.2157/P0.2195*; AAJEJLP5.4/P5.5*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ADAV *   J   OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA63.5*; ADAVJAB2.300$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AKCV *   D   DRIVE TYPE

Definition: INDICATES THE TYPE OF DRIVE FOR TURNING, ROTATING, OR POSITIONING THE MECHANISM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKCVDCQ*; AKCVDCQ$DKK*)

REPLY CODE	REPLY (AG25)
CQ	HEX HEAD
KK	HEX SOCKET
KL	RAISED RIB (includes thumb screw)
KM	SCREW SLOT
KN	SERRATED (includes knurled)
DM	SPANNER
KP	SQUARE HEAD
KQ	SQUARE SOCKET

CBBL *   D   FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDBQN*; CBBLDBQN$$DFRS*)

REPLY CODE	REPLY (AN47)
FRR	BEVELED SEAT
BQN	GASKET

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MRC	Mode Code	Requirements

FRS   SHOULDER

FEAT *   G   SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR
QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS
AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. (e.g., FEATGQUALITY
CONTROLLED*)

TEST *   J   TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR
INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE
REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS
TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE
ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR
NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND
GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING
THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed
by the 5-position CAGE code, a dash, and the document identification number. (e.g.,
TESTJA12345-CWX654321*; TESTJA12345-654321$$JB55566\N66354*;
TESTJA12345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical", "average", "nominal", etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc; excludes any specification, standard, or other document that may be referenced in a basic governing drawing.)

MRC	Mode Code	Requirements

SPCL *   G   SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND
PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE
CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING
TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND
TESTED FOR NAVIGATIONAL SYSTEMS*)

ZZZK *   J   SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR
STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed
by the Commercial and Government Entity (CAGE) Code of the entity controlling
the document, a dash, and the document designator. The agency that controls the
limited coordination document must be preceded and followed by a slash following
the designator. The word canceled or superseded must be preceded and followed by a
slash for the designator. Professional and industrial association
specifications/standards are differentiated from a manufacturer's specification in that
the data has been coordinated and published by the professional and industrial
association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION

MRC	Mode Code	Requirements
		STANDARD

ZZZT *   **J**   **NONDEFINITIVE SPEC/STD DATA**

NOTE: If the specification/standard cited in reply to MRC ZZZK is nondefinitive, reply to MRC ZZZT. This reply is the data which is not recorded in Segment C.

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ZZZW *   **G**   **DEPARTURE FROM CITED DOCUMENT**

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPARTS(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ZZZX *   **G**   **DEPARTURE FROM CITED DESIGNATOR**

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ZZZY *   **G**   **REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS**

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

CRTL *   A   CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAAKJA*; CRTLAAKJA$$ACSGS*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

PRPY *   A   PROPRIETARY CHARACTERISTICS

NOTE: If Document Availability Code B, D, F, or H, reply to MRC PRPY.

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAAKJA$$ACSGS*)

ELRN *   G   EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

MRC	Mode Code	Requirements

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ELCD *   D   EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

CBME *   J   CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCF27.000*; CBMEJCM25.0*)

REPLY CODE	REPLY (AN76)
CF	CUBIC FEET
CM	CUBIC METERS

PRMT *   D   PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)

MRC	Mode Code	Requirements

	AUA000	GOLD
	IRA000	IRIDIUM
	AZA000	OSMIUM
	PDA000	PALLADIUM
	PTA000	PLATINUM
	RHA000	RHODIUM
	RTA000	RUTHENIUM
	AGA000	SILVER

PMWT * J   PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*; PMWTJAUA000F0.500$JAGA000R0.780*)

Table 1
REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2
REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

PMLC * J   PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

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MRC	Mode Code	Requirements

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

SUPP *   G   SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED
IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL
INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN
ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN
UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ZZZP *   J   PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A
DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT
OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commerical and Government Entity (CAGE)
Code, followed by a dash and the identifying number of the document. (e.g.,
ZZZPJ81A37-30624A*)

ZZZV *   G   FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL
SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF
THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear
text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

AGAV *   G   END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION
INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A
PART.

MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

CXCY *   G   PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT
AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN
OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR
CONTROL BOARD*)

CLQL *   G   COLLOQUIAL NAME

Definition: A COMMON USAGE NAME BY WHICH AN ITEM IS KNOWN.

Reply Instructions: Enter the reply in clear text. (e.g., CLQLGWOVEN WIRE
CLOTH*)

Reply Tables

Table 1 - MATERIALS

MATERIALS

REPLY CODE	REPLY (MA01)
ALA000	ALUMINUM
ALB000	ALUMINUM ALLOY
	Aluminum Alloy, AN-A-13, COND T (use Reply Code AL2024)
	Aluminum Alloy WW-T-700/6, 6061, T6 (use Reply Code AL6061)
AL1230	ALUMINUM ALLOY 1230
AL2011	ALUMINUM ALLOY 2011
AL2024	ALUMINUM ALLOY 2024
	Aluminum Alloy 2024, T4 (use Reply Code AL2024)
AL3003	ALUMINUM ALLOY 3003
	Aluminum Alloy 3003, 0 (use Reply Code AL3003)
AL5052	ALUMINUM ALLOY 5052
	Aluminum Alloy 5052, H32, (use Reply Code AL5052)
	Aluminum Alloy 5052, H34 (use Reply Code AL5052)
AL6061	ALUMINUM ALLOY 6061
	Aluminum Alloy 6061, T6 (use Reply Code AL6061)
	Aluminum Alloy 6061, T651 (use Reply Code AL6061)
	Aluminum Alloy 6061, T6510 (use Reply Code AL6061)
	Aluminum Alloy 6061, T6511 (use Reply Code AL6061)
	Aluminum Alloy 7075, T6 (use Reply Code AL7075)
	Aluminum Alloy 7075, T73 (use Reply Code AL7075)
AL7075	ALUMINUM ALLOY 7075
	Aluminum Alloy 7075, T6511 (use Reply Code AL7075)
ASA000	ASBESTOS
	Asbestos, Graphite Impregnated (use Reply Code ASA000 and GFA000)
	Asbestos-Rubber, Synthetic (use Reply Code ASA000 and RCB000
	Beryllium Copper (use Reply Code CUB000)
	Brass, Alloy 342 (use Reply Code CU0088
	Brass, Alloy 360 (use Reply Code CU0091)
	Brass, Alloy 360, 1/2H (use Reply Code CU0091)
	Brass, Comp 1, 1/2 Hard (use Reply Code CU0091)
	Brass, Comp 22 (use Reply Code CU0091)
	Brass (use Reply Code CU0099)
	Brass, 1/2 Hard (use Reply Code CUB000)
	Bronze, Sintered (use Reply Code CUB000)
	Bronze (use Reply Code CUB000)
CNA000	CARBON
CSA000	CELLULOSE
CUA000	COPPER
CUB000	COPPER ALLOY
CU0263	COPPER ALLOY 210
CU0264	COPPER ALLOY 220
CU0074	COPPER ALLOY 230
CU0076	COPPER ALLOY 240

REPLY CODE	REPLY (MA01)
CU0079	COPPER ALLOY 260
CU0081	COPPER ALLOY 270
CU0274	COPPER ALLOY 274
CU0091	COPPER ALLOY 360
CU0099	COPPER ALLOY 464
CU0103	COPPER ALLOY 510
CU0104	COPPER ALLOY 511
CU0106	COPPER ALLOY 524
CU0148	COPPER ALLOY 745
CU0150	COPPER ALLOY 752
CU0757	COPPER ALLOY 757
CU0152	COPPER ALLOY 764
CU0157	COPPER ALLOY 770
CU0202	COPPER ALLOY 922
CU0214	COPPER ALLOY 943
CKA000	CORK
GSB000	FIBERGLASS
GSA000	GLASS
ADB000	GLUE
GFA000	GRAPHITE
IRA000	IRIDIUM
FEA000	IRON
	Iron, cast (use Reply Code FEA000)
PBA000	LEAD
PBB000	LEAD ALLOY
LRA000	LEATHER
MGA000	MAGNESIUM
MGB000	MAGNESIUM ALLOY
AYA000	MICA
	Neoprene (use Reply Code RC0007)
NLA000	NICKEL
NLB000	NICKEL ALLOY
NL0096	NICKEL ALLOY UNS N06002
NL0008	NICKEL ALLOY 400
	Nickel-Iron Alloy (use Reply Code NLB000)
NLC000	NICKEL SILVER
PPA000	PAPER
	Phosphor Bronze (use Reply Code CU0103)
PCA000	PLASTIC
PCB000	PLASTIC ACETAL
	Plastic, Comp A, Type 1 (use Reply Code PCAM00)
PCAAD0	PLASTIC FLUROCARBON
PCCG00	PLASTIC HEXAFLOROPROPYLENE
	Plastic, Laminated (use Reply Code PCA000)
PCM000	PLASTIC PHENOL-FORMALDEHYDE
PCN000	PLASTIC PHENOLIC
PCP000	PLASTIC POLYAMIDE
PCT000	PLASTIC POLYCHLOROTRIFLUOROETHYLENE

REPLY CODE	REPLY (MA01)
PCW000	PLASTIC POLYESTER
PCX000	PLASTIC POLYETHYLENE
	Plastic, Polyethylene, Type 1, Grade G2, Class B (use Reply Code PCX000)
PCZ000	PLASTIC POLYHEXAMETHYLENE ADIPAMIDE
PCAM00	PLASTIC POLYHEXAMETHYLENE AMIDE
PCAAAA	PLASTIC POLYPHENYLENE OXIDE
PCCQ00	PLASTIC POLYPHENYLENE SULFIDE
PCAF00	PLASTIC POLYTETRAFLUOROETHYLENE
PCAH00	PLASTIC POLYURETHANE
PCAJ00	PLASTIC POLYVINYL CHLORIDE
	Plastic, Tetrafluoroethylene (TFE) (Teflon) (use Reply Code PCB000)
	Plastic, Type FBE (use Reply Code PCN000)
PCAP00	PLASTIC VINYL
	Polyamide Nylon (use Reply Code PCP000)
RCE000	RUBBER
RC0019	RUBBER BUTADIENE-ACRYLONITRILE CLASS NBR
RC0022	RUBBER BUTADIENE-STYRENE CLASS SBR
RC0007	RUBBER CHLOROPRENE CLASS CR
	Rubber, Chloroprene Neoprene (use Reply Code RC0007)
RC0013	RUBBER FLUOROCARBON CLASS FPM
	Rubber Gum (use Reply Code RCE000)
RC0017	RUBBER ISOBUTYLENE-ISOPRENE CLASS IIR
RCA000	RUBBER NATURAL
RC0001	RUBBER POLYACRYLATE CLASS ACM
RC0020	RUBBER POLYISOPRENE NATURAL CLASS NR
RC0023	RUBBER POLYSULFIDE CLASS T
RCC000	RUBBER SILICONE
RC0021	RUBBER SILICONE,CLASS Q
RCB000	RUBBER SYNTHETIC
	Rubber, Synthetic, Type S, Class SC, Grade 510 (use Reply Code RC0007)
SLA000	SILICON ALLOY
SLK000	SILICONE
AGA000	SILVER
STA000	STEEL
ST0030	STEEL COMP E52100
ST0604	STEEL COMP WI-NDR
ST0296	STEEL COMP W108
ST0297	STEEL COMP W109
ST0298	STEEL COMP W110
ST0299	STEEL COMP W112
ST0306	STEEL COMP W209
ST0307	STEEL COMP W210
ST0311	STEEL COMP W310
ST0704	STEEL COMP XM-12
ST0547	STEEL COMP 135M
ST0301	STEEL COMP 301
ST0302	STEEL COMP 302
ST0303	STEEL COMP 303

REPLY CODE	REPLY (MA01)
	Steel Comp 303, Cond A (use Reply Code ST0303)
ST0166	STEEL COMP 303 PLUS X
ST0079	STEEL COMP 303 SE
ST0304	STEEL COMP 304
	Steel Comp 304, Cond A (use Reply Code ST0304)
ST0321	STEEL COMP 321
ST0347	STEEL COMP 347
ST0348	STEEL COMP 348
ST0416	STEEL COMP 416
ST0107	STEEL COMP 440C
	Steel Comp 440C, Cond A (use Reply Code ST0107)
ST0630	STEEL COMP 630
ST0631	STEEL COMP 631
ST1008	STEEL COMP 1008
ST1009	STEEL COMP 1009
ST1010	STEEL COMP 1010
ST1015	STEEL COMP 1015
ST1018	STEEL COMP 1018
ST1020	STEEL COMP 1020
ST1025	STEEL COMP 1025
ST1045	STEEL COMP 1045
ST1050	STEEL COMP 1050
ST1060	STEEL COMP 1060
ST1080	STEEL COMP 1080
ST1095	STEEL COMP 1095
ST1117	STEEL COMP 1117
ST1144	STEEL COMP 1144
ST3135	STEEL COMP 3135
ST4130	STEEL COMP 4130
ST4820	STEEL COMP 4820
STB000	STEEL CORROSION RESISTING
	Steel, Type 303 (use Reply Code ST0303)
ST0599	STEEL UNS J92811
	Teflon (use Reply Code PCAF00)
	Tetrafluoroethylene (use Reply Code PCA000))
SNB000	TIN
SNA000	TIN ALLOY
TTA000	TITANIUM ALLOY
TNA000	TUNGSTEN
TNB000	TUNGSTEN CARBIDE
WLA000	WOOL
WL0027	WOOL COMP 9R1
ZNB000	ZINC
ZNA000	ZINC ALLOY

Table 2 - SURFACE TREATMENTS
SURFACE TREATMENTS

REPLY CODE	REPLY (SF01)
ALB000	ALUMINUM
ALA000	ALUMINUM ALLOY
XXF000	ALUMINUM OXIDE
ANA000	ANODIZED
	Anodized Black (use Reply Code ANA000)
	Anodized, Type 1, Class 1 (use Reply Code ANA000)
	Anodized, Type 1, Class 2 (use Reply Code ANA000)
	Anodized, Type 1 (use Reply Code ANA000)
	Anodized, Type 2, Class 1 (use Reply Code ANA000)
	Anodized, Type 2, Class 2 (use Reply Code ANA000)
	Black Cadmium (use Reply Code CDA000)
	Black Nickel (use Reply Code NLA000)
	Black Oxide (use Reply Code XXB000)
CDA000	CADMIUM
	Cadmium Plated (use Reply Code CDA000)
	Cadmium Plated w/Chromate (use Reply Code CMA000 and CDA000)
	Cadmium Type 2, Class 2 (use Reply Code CDA000 and CMA000)
CMA000	CHROMATE
	Chromate, Class, 1A (use Reply Code CMA000)
	Chromate (Cronak) (Iridite) (use Reply Code CMA000)
	Chrome Plated (use Reply Code CRA000)
CRA000	CHROMIUM
CUA000	COPPER
	Copper Plated (use Reply Code CUA000)
ENA000	ENAMEL
	Enamel Black (use Reply Code ENA000)
	Enamel Gray (use Reply Code ENA000)
	Enameled (use Reply Code ENA000)
	Galvanized (use Reply Code ZNA000)
AUA000	GOLD
	Gold Plated (use Reply Code AUA000)
LQA000	LACQUER
	Lacquered (use Reply Code LQA000)
NLA000	NICKEL
	Nickel Bright (use Reply Code NLA000)
	Nickel, Class 1 (use Reply Code NLA000)
	Nickel Plated, Class 3, Grade B (use Reply Code NLA000)
	Nickel Plated (use Reply Code NLA000)
XXB000	OXIDE
	Oxide, Class 1 (use Reply Code XXB000)
PNA000	PAINT
	Paint, Black (use Reply Code PNA000)
PN0000	PAINTED
	Parkerized (use Reply Code PHA000)
PSA000	PASSIVATE

REPLY CODE	REPLY (SF01)
	Passivated, Type 1 (use Reply Code PSA000)
PHA000	PHOSPHATE
	Phosphate, Coated (use Reply Code PHA000)
AGA000	SILVER
	Silver Plated (use Reply Code AGA000)
SRA000	SOLDER
	Solder, Electroplated (use Reply Code SRA000)
SNA000	TIN
	Tin Plated (use Reply Code SNA000)
	Tinned Dipped, Hot (use Reply Code SNA000)
ZNA000	ZINC
	Zinc Coated (use Reply Code ZNA000)
	Zinc Plated (use Reply Code ZNA000)
	Zinc, Type 1 (use Reply Code ZNA000)
	Zinc, Type 2 (use Reply Code ZNA000)
	Zinc, Type 3 (use Reply Code ZNA000)
	Zinc, Type 4 (use Reply Code ZNA000)
	Zinc w/Chromate (use Reply Code ZNA000 and CMA000)

Table 3 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE

REPLY CODE	REPLY (AD08)
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED

REPLY CODE	REPLY (AD08)
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

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FIIG Change List

FIIG Change List, Effective October 2, 2009

Correct NOTE for MRC BZMP.